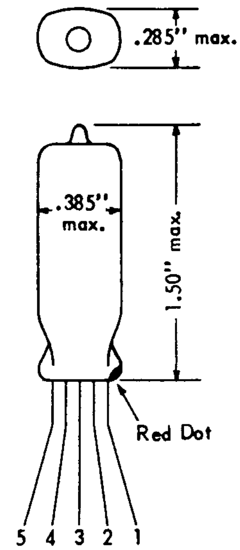
Excellence in Electronics

TYPE CK6612

The CK6612 is a filament type, fully shielded, subminiature pentode designed for use in RF applications requiring economy of space, weight, and battery drain. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.



MECHANICAL DATA

ENVELOPE: T-2X3 Glass ●

BASE: None (0.016" tinned flexible leads. Length: 1.5"
Spacing: 0.048" Center-to-center)

TERMINAL CONNECTIONS: *(Red dot is adjacent to lead 1)*

Lead 1	Plate	Lead 4	Grid #1
Lead 2	Grid #2	Lead 5	Filament, Positive; Grid #3 ♦
Lead 3	Filament, Negative; Shield; Grid #3 ♦		

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCE: *(μμfds.)*

Grid #1 to Plate	0.01	max.
Input	5.5	
Output	4.2	

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	1.25±20%	volts
Plate Voltage ■	50	volts
Grid #2 Voltage ■	50	volts
Plate Dissipation	0.20	watt
Grid #2 Dissipation	0.05	watt
Total Cathode Current	5.5	ma.

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

Filament Voltage (dc)	1.25	1.25	volts
Filament Current	0.08	0.08	amps.
Plate Voltage	30	45	volts
Grid #2 Voltage	30	⊕ 45	volts
Grid #1 Voltage	▲ 0	▲ 0	volts
Plate Resistance (approx.)	0.18	0.18	meg.
Transconductance	3000	3000	μmhos
Plate Current	3.0	3.0	ma.
Grid #2 Current	1.0	1.0	ma.
Grid #1 Voltage (approx.) For Gm= 10 μmhos	-3.5	----	volts

⊕ *Screen Supply Voltage through series 15,000 ohms Supply resistor.*

▲ *Grid #1 risistor=2 megohms.*

♦ *Grid #3 is composed of two separater deflector plates, one of which is connected to lead 3 and the other to lead 5.*

● *Bulb is entirely coated with a metallic shield connected to lead 3.*

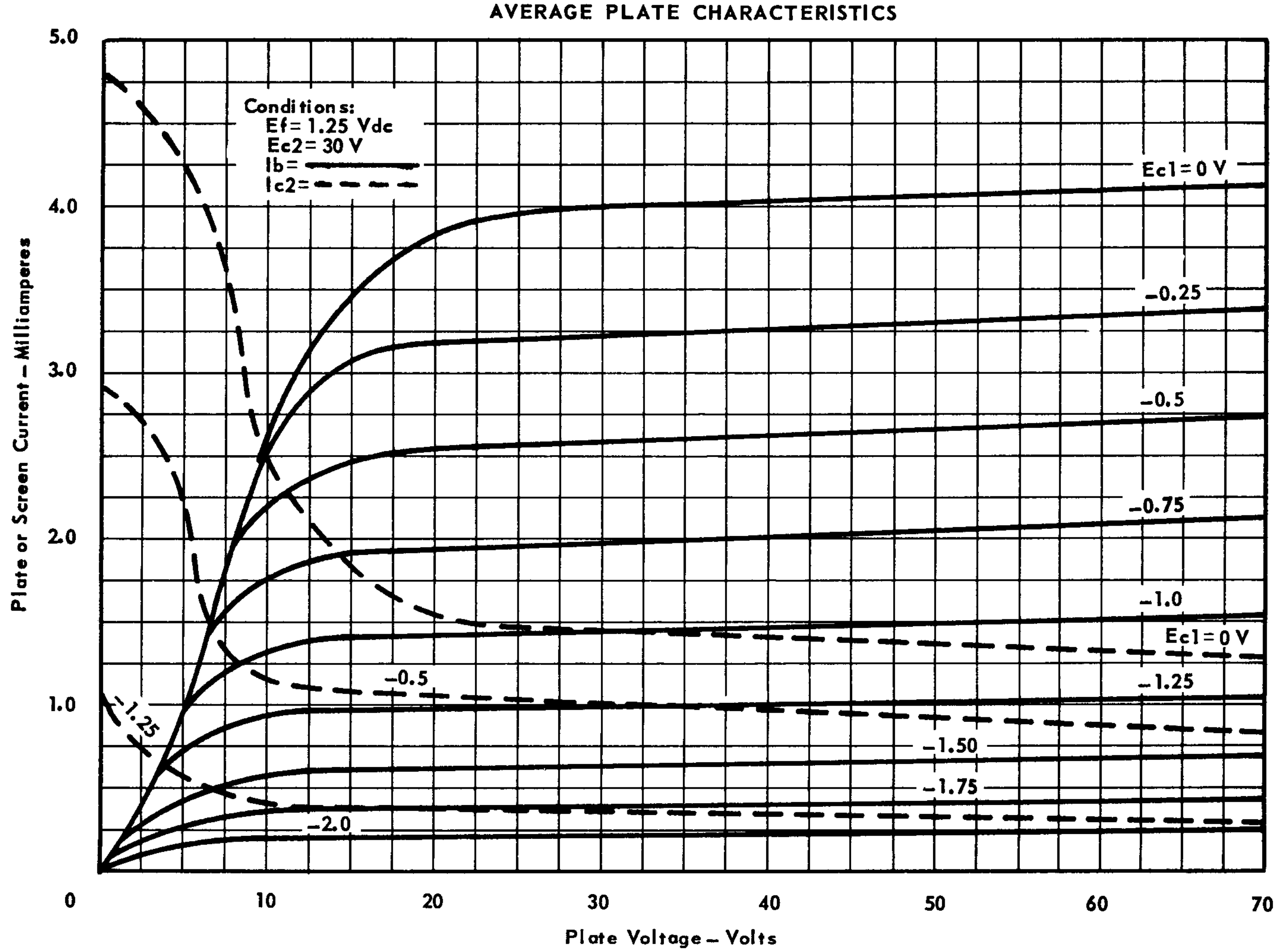
■ *Plate and Screen Supply voltages should not exceed these values under any circumstances.*

Tentative Data

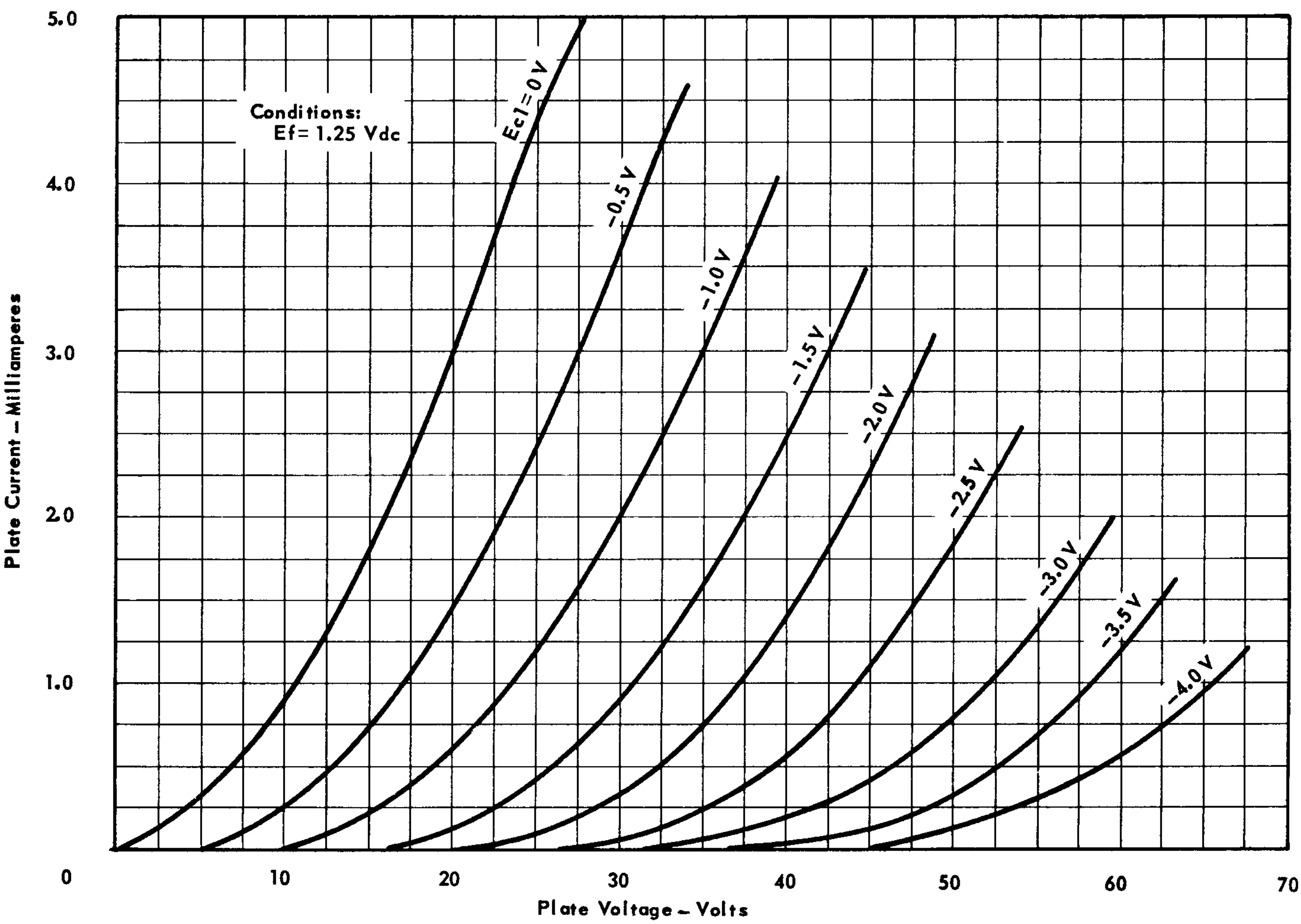
RAYTHEON

SUBMINIATURE PENTODE

AVERAGE PLATE CHARACTERISTICS



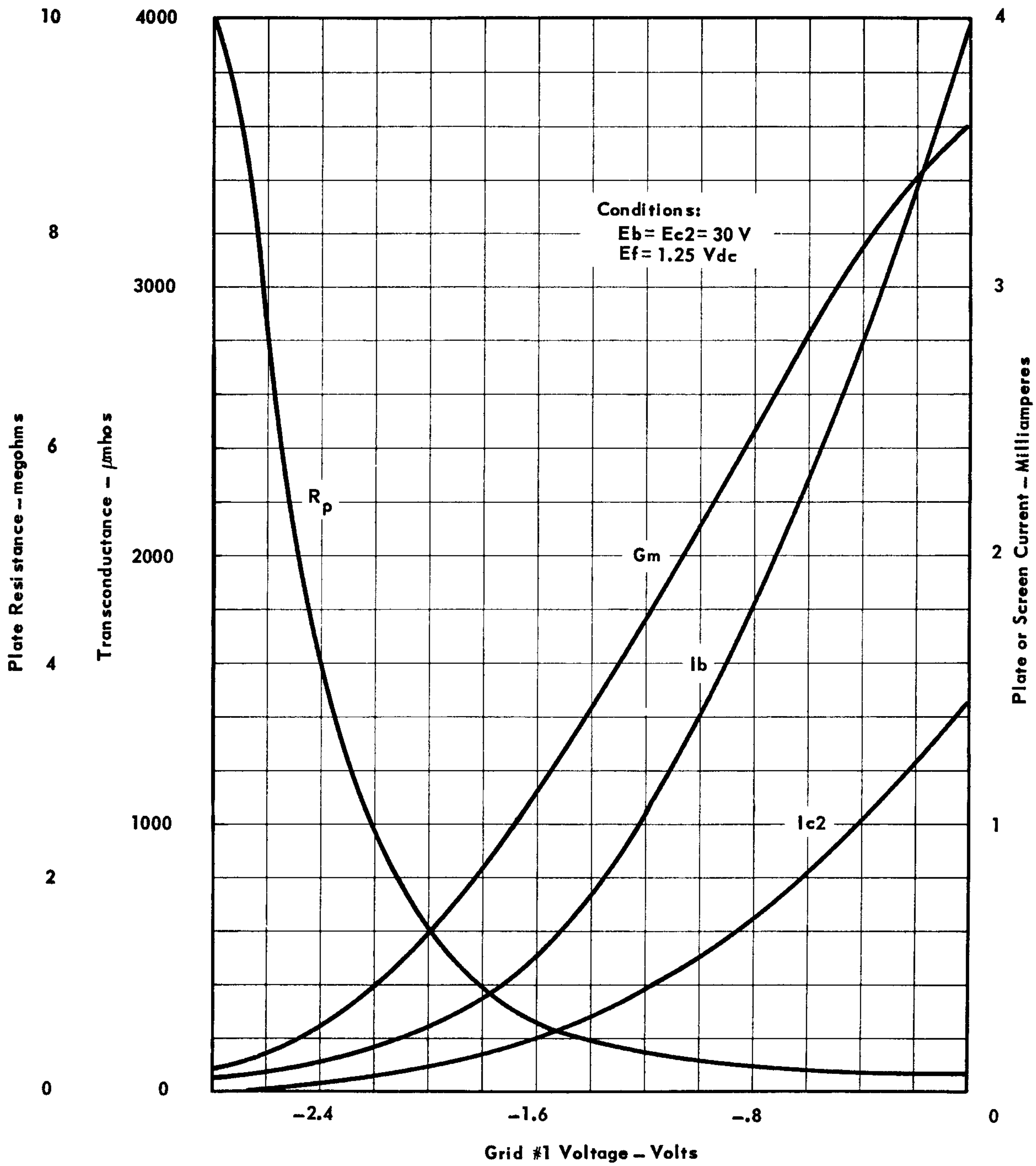
AVERAGE PLATE CHARACTERISTICS
(Triode Connected)



RAYTHEON

SUBMINIATURE PENTODE

AVERAGE CHARACTERISTICS



RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS

NEWTON 58, MASS.